

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/011651

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl<sup>7</sup> H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> H04L12/56

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Jitsuyo Shinan Koho (Y1, Y2) 1926-1996 Toroku Jitsuyo Shinan Koho (U) 1994-2004  
Kokai Jitsuyo Shinan Koho (U) 1971-2004 Jitsuyo Shinan Toroku Koho (Y2) 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 3102057 B2 (Omron Corp.), 23 October, 2000 (23.10.00), Full text; all drawings & JP 4-341031 A	1-43
Y	JP 2001-136178 A (Hitachi, Ltd.), 18 May, 2001 (18.05.01), Full text; all drawings (Family: none)	1-43
Y	JP 4-369948 A (Mitsubishi Electric Corp.), 22 December, 1992 (22.12.92), Abstract (Family: none)	1-43

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:  
"A" document defining the general state of the art which is not considered to be of particular relevance  
"E" earlier application or patent but published on or after the international filing date  
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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  
"&" document member of the same patent family

Date of the actual completion of the international search  
09 November, 2004 (09.11.04)

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Name and mailing address of the ISA/  
Japanese Patent Office

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2003-198563 A (NTT Comware Corp.), 11 July, 2003 (11.07.03), Abstract; Figs. 1, 8 (Family: none)	1-43
Y	JP 56-140744 A (Nippon Telegraph & Telephone Public Corp., NEC Corp.), 04 November, 1981 (04.11.81), Full text; all drawings (Family: none)	1-43
E,X	JP 2004-23440 A (KDDI Corp.), 22 January, 2004 (22.01.04), Full text; all drawings & US 2003/0231585 A1	1-18, 22-26
E,X	JP 2004-56787 A (Harris Corp.), 19 February, 2004 (19.02.04), Full text; all drawings & US 2003/0202468 A1 & EP 1376939 A2 & CN 1474614 A & CN 1474615 A & AU 2003204643 A1	1-18, 22-26
A	JP 11-55313 A (Nippon Telegraph And Telephone Corp.), 26 February, 1999 (26.02.99), Abstract; Par. No. [0002] (Family: none)	1-43
A	JP 2003-219472 A (Nippon Terekomu Kabushiki Kaisha), 31 July, 2003 (31.07.03), Fig. 2 (Family: none)	1-43
A	JP 2003-258861 A (NEC Corp.), 12 September, 2003 (12.09.03), Abstract & US 2003/0161293 A1 & CN 1441582 A	1-43
A	JP 2003-304280 A (NEC Corp.), 24 October, 2003 (24.10.03), Abstract; Par. No. [0004] & US 2003/0193904 A1	1-43
A	HASEBE et al., 'Fukusu Keiro o Mochiita Antenna Message Haiso no Tameno Adhoc Routing Protocol, Information Processing Society of Japan Kenkyu Hokoku, Vol.2002, No.49, pages 25 to 32	1-43

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	HASEBE et al., 'AODV no Multipass Tansaku heno Kakucho', Multimedia Tsushin to Bunsan Shori Workshop Ronbunshu, Information Processing Society of Japan Symposium Series Vol.2001, No.13, pages 163 to 168	1-43